

Serial No.: 09/548,322  
Atty. Docket No.: 110768.00102

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1-43. (Cancelled)

44. (Currently Amended) A method for selectively accepting an electronic message having a sender address ~~and sent from a remote host to one or more recipient addresses~~, the method comprising establishing a test connection to an authorized mailhost for determining whether the sender address exists at an authorized mailhost for a domain of the sender address without sending an electronic mail message to the sender address, sending a recipient command specifying the sender address to the authorized mailhost, and accepting ~~rejecting~~ the electronic message if the authorized mailhost indicates that the sender address does not exist at the authorized mailhost.

45. (Currently Amended) The method of claim 44, further comprising accepting the electronic message if ~~wherein the step of determining whether the sender address exists comprises establishing a test connection to the authorized mailhost~~ affirmatively accepts the recipient command for the sender address, sending a test protocol transaction specifying the sender address to the authorized mailhost, and determining if the authorized mailhost affirmatively accepts the sender address as a recipient.

Serial No.: 09/548,322  
Atty. Docket No.: 110768.00102

46. (canceled)

47. (withdrawn) A method for selectively accepting an electronic message having a sender address and sent from a remote host to one or more recipient addresses, the method comprising sending to the remote host a protocol transaction that might be used to forward mail from an unknown origin, monitoring the remote host response to determine whether the remote host will accept the protocol transaction, and not accepting the electronic message if the remote host accepts the protocol transaction.

48. (withdrawn) A method for verifying an e-mail address having a domain, the method comprising sending a first test transaction specifying the e-mail address to an authorized mailhost for the domain, and classifying the e-mail address as invalid if the authorized mailhost rejects the first test transaction.

49. (withdrawn) The method of claim 44, wherein the authorized mailhost is a mail exchanger host for the domain of the e-mail address.

50. (withdrawn - currently amended) The method of claim 44, wherein the at least one authorized mailhost has the same name as the domain of the sender address.

51. (withdrawn) The method of claim 48, further comprising sending to the authorized a second test transaction specifying an arbitrary e-mail address that is believed to not exist at the authorized mailhost, classifying the e-mail address as valid if the authorized mailhost accepts the first test transaction and rejects the second test transaction, and classifying the e-mail address as

Serial No.: 09/548,322  
Atty. Docket No.: 110768.00102

indeterminate if the authorized mailhost accepts the first test transaction and the second test transaction.

52-53. (canceled)

54. (withdrawn) The method of claim 47, further comprising the step of accepting the electronic message if the remote host rejects the protocol transaction.

55. (withdrawn) The method of claim 48, further comprising classifying the e-mail address as valid if the authorized mailhost accepts the first test transaction.

56. (withdrawn) The method of claim 48, further comprising not accepting electronic messages specifying the e-mail address if the e-mail address is classified as invalid.

57. (withdrawn) The method of claim 48, further comprising rejecting forged e-mail addresses submitted to a web site.

58. (currently amended) A system for selectively accepting an electronic message having a sender address ~~and sent from a remote host to one or more recipient addresses~~, the system comprising establishing a test connection to an address verification filter determining whether the sender address exists at an authorized mailhost for for a domain of the sender address without sending an electronic mail message to the sender address, sending a recipient command specifying the sender address to the authorized mailhost, and accepting-rejecting the electronic message if the authorized mailhost indicates that the sender address does not exists at the authorized mailhost.

Serial No.: 09/548,322  
Atty. Docket No.: 110768.00102

59. (previously presented) The system of claim 58, further comprising said address verification filter not accepting the electronic message if the authorized mailhost affirmatively accepts the recipient commandsender address is determined not to exist.

60-62. (canceled)

63. (withdrawn) A system for selectively accepting an electronic message having a sender address and sent a remote host to one or more recipient addresses, the system comprising an address verification filter sending to the remote host a protocol transaction that might be used to forward mail from an unknown origin, monitoring the remote host response to determine whether the remote host will accept the protocol transaction, and not accepting the electronic message if the remote host accepts the protocol transaction.

64. (withdrawn) The system of claim 63, said address verification filter accepting the electronic message if the remote host rejects the protocol transaction.

65. (withdrawn) A system for verifying an e-mail address having a domain, the system comprising an address verifier sending a first test transaction specifying the e-mail address to an authorized mailhost for the domain, and classifying the e-mail address as invalid if the authorized rejects the first test transaction.

66. (withdrawn) The system of claim 65, wherein the authorized is a mail exchanger host for the domain of the e-mail address.

Serial No.: 09/548,322  
Atty. Docket No.: 110768.00102

67. (withdrawn) The system of claim 65, wherein the authorized mailhost has the same name as the domain.

68. (withdrawn) The system of claim 65, wherein the address verifier comprises an address verification filter that selectively accepts electronic messages having e-mail addresses.

69. (withdrawn) The system of claim 68, said address verifier not accepting electronic messages specifying the e-mail address if the e-mail address is classified as invalid.

70. (withdrawn) The system of claim 65, wherein said address verifier rejects forged e-mail addresses submitted to a web site.

71. (withdrawn) The system of claim 65, said address verifier classifying the e-mail address as valid if the authorized mailhost accepts the first test transaction.

72. (withdrawn) The system of claim 65, said address verifier further sending to the authorized mailhost a second test transaction specifying an arbitrary e-mail address that is believed to not exist at the authorized mailhost, classifying the e-mail address as valid if the authorized mailhost accepts the first test transaction and rejects the second test transaction, and classifying the e-mail address as indeterminate if the authorized mailhost accepts the first test transaction and the second test transaction.

73. (currently amended) An article of manufacture for selectively accepting an electronic message having a sender address ~~and sent from a remote host to one or more recipient addresses~~, the article of manufacture comprising a computer-readable medium having stored

Serial No.: 09/548,322  
Atty. Docket No.: 110768.00102

thereon instructions which, when performed by a processor, cause the processor to execute the steps comprising the steps of: establishing a test connection to determining whether the sender address exists at an authorized mailhost for a domain of the sender address without sending an electronic mail message to the sender address, sending a recipient command specifying the sender address to the authorized mailhost, and accepting/rejecting the electronic message if the authorized mailhost indicates that the sender address does not exists at the authorized mailhost.

74. (previously presented) The article of manufacture of claim 73, further comprising ~~the step of not-accepting the electronic message if the~~ authorized mailhost affirmatively accepts the recipient command ~~sender address is determined not to exist.~~

75-77. (canceled)

78. (withdrawn) An article of manufacture for selectively accepting an electronic message having a sender address and sent from a remote host to one or more recipient addresses, the article of manufacture comprising a computer-readable medium having stored thereon instructions which, when performed by a processor, cause the processor to execute the steps comprising the steps of: sending to the remote host a transaction that might be used to forward mail from an unknown origin, monitoring the remote host response to determine whether the remote host will accept the transaction, and not accepting the electronic message if the remote host accepts the transaction.

Serial No.: 09/548,322  
Atty. Docket No.: 110768.00102

79. (withdrawn) The article of manufacture of claim 78, further comprising the step of accepting the electronic message if the remote host rejects the transaction.

80. (withdrawn) An article of manufacture for verifying an e-mail address having a domain, the article of manufacture comprising a computer-readable medium having stored thereon instructions which, when performed by a processor, cause the processor to execute the steps comprising the steps of: sending a first test transaction specifying the e-mail address to an authorized mailhost for the domain, and classifying the e-mail address as invalid if the authorized mailhost rejects the first test transaction.

81. (withdrawn) The article of manufacture of claim 80, further comprising classifying the e-mail address as valid if the authorized mailhost accepts the first test transaction.

82. (withdrawn) The article of manufacture of claim 80, wherein the authorized mailhost is a mail exchanger host for the domain of the e-mail address.

83. (withdrawn) The article of manufacture of claim 80, wherein the authorized mailhost has the same name as the domain.

84. (withdrawn) The article of manufacture of claim 80, further comprising the step of not accepting messages specifying the e-mail address if the e-mail address is classified as invalid.

85. (withdrawn) The article of manufacture of claim 80, further comprising sending to the authorized mailhost a second test transaction specifying an arbitrary e-mail address that is

Serial No.: 09/548,322  
Atty. Docket No.: 110768.00102

believed to not exist at the authorized mailhost, classifying the e-mail address as valid if the authorized mailhost accepts the first test transaction and rejects the second test transaction, and classifying the e-mail address as indeterminate if the authorized mailhost accepts the first test transaction and the second test transaction.

86. (currently amended) The method of claim ~~45~~44, wherein said recipient command is the test protocol transaction includes a sSimple mMail tTransfer pProtocol (SMTP) MAIL command and a simple mail transfer protocol RCPT command.

87. (currently amended) The method of claim 86, further comprising a SMTP the MAIL From command specifies specifying a complete e-mail address in the local domain.

88. (currently amended) The method of claim 86, further comprising a SMTP command wherein the MAIL From command specifies specifying the null address "<>".

89. (currently amended) The method of claim 86, wherein said ~~determination rejection~~ is made based upon the authorized mailhost's numeric response to the RCPT command.

90. (currently amended) The method of claim 86, wherein said determination is made based upon the authorized mailhost's numeric response to a SMTP DATA command.

91. (withdrawn) A method for selectively blocking an electronic message having a sender address and sent from a remote host to one or more recipient addresses, the method comprising sending a first test transaction specifying the sender address to an authorized



Serial No.: 09/548,322  
Atty. Docket No.: 110768.00102

mailhost for the domain without sending an electronic mail message back to the sender, and blocking the message if the authorized mailhost rejects the first test transaction.

92. (withdrawn) The method of claim 91, wherein the authorized mailhost is a mail exchanger host for the domain of the e-mail address.

93. (withdrawn) The method of claim 91, wherein the authorized mailhost has the same name as the domain.

94. (withdrawn) The method of claim 91, further comprising sending to the authorized mailhost a second test transaction specifying an arbitrary e-mail address that is believed to not exist at the authorized mailhost, and accepting the electronic message if the authorized mailhost accepts the first test transaction and rejects the second test transaction.

95. (withdrawn) The method of claim 94, further comprising neither blocking nor accepting the message if the authorized mailhost accepts both the first and second test transactions.

96. (withdrawn) The method of claim 95, further comprising a message quarantine, and storing the message in said quarantine if the authorized mailhost accepts both the first and second test transactions.